

L1 ANSWER 7 OF 10 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN  
AN 1975-63293W [38] WPIX  
TI Molybdenum-vanadium-oxygen catalyst - for prodn. of alpha, beta-unsatd.  
carboxylic acids from corresp. aldehydes.  
DC A41 E17  
PA (MITP) MITSUBISHI PETROCHEMICAL CO LTD  
CYC 1  
PI JP 50025914 B 19750827 (197538)\* <--  
PRAI JP 1970-119638 19701228  
IC B01J023-28; C07C051-26; C07C057-02  
AB JP 75025914 B UPAB: 19930831  
A catalyst consisting of molybdenum, vanadium and oxygen is produced such  
that (1) the atomic ratio of molybdenum to vanadium is 100:5-70 (2), at  
least a part of the vanadium source matl. is added to the molybdenum  
source cpd. in an aqs. solvent as vanadium oxalate and (3) the resulting  
mixt. is sintered at 270-450 degrees C in the presence of oxygen. Specif.  
the vanadium oxalate represents >15 mol % (pref. >25) of the vandium feed.  
The catalyst can be used at 200-350 degrees C and 0.5-10 atms. and a  
contact time of 0.2-20 secs. The yield of acrylic acid from acrolein is  
<=92 mol %.  
FS CPI  
FA AB  
MC CPI: A01-D08; E10-C04G; E35-N; E35-Q